

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|---|------------------|
| - | 2 | (("6523608") or ("6343647")).PN. | USPAT | 2004/07/25 10:55 |
| - | 1 | "4446916".PN. | USPAT | 2003/08/05 10:15 |
| - | 1 | "4529836".PN. | USPAT | 2003/08/05 10:15 |
| - | 1 | "4654754".PN. | USPAT | 2003/08/05 10:15 |
| - | 1 | "4685987".PN. | USPAT | 2003/08/05 10:15 |
| - | 1 | "4915167".PN. | USPAT | 2003/08/05 10:16 |
| - | 1 | "5141050".PN. | USPAT | 2003/08/05 10:16 |
| - | 1 | "5198189".PN. | USPAT | 2003/08/05 10:17 |
| - | 1 | "5223347".PN. | USPAT | 2003/08/05 10:18 |
| - | 1 | "5268414".PN. | USPAT | 2003/08/05 10:19 |
| - | 1 | "5323294".PN. | USPAT | 2003/08/05 10:19 |
| - | 1 | "5419357".PN. | USPAT | 2003/08/05 10:20 |
| - | 1 | "5528456".PN. | USPAT | 2003/08/05 10:20 |
| - | 1 | "5658831".PN. | USPAT | 2003/08/05 10:20 |
| - | 1 | "5725694".PN. | USPAT | 2003/08/05 10:20 |
| - | 1 | "5775219".PN. | USPAT | 2003/08/05 10:20 |
| - | 1 | "5783862".PN. | USPAT | 2003/08/05 10:21 |
| - | 1 | "5945217".PN. | USPAT | 2003/08/05 10:21 |
| - | 1 | "5775219".PN. | USPAT | 2003/08/05 10:22 |
| - | 1 | "5783862".PN. | USPAT | 2003/08/05 10:22 |
| - | 1 | "5842626".PN. | USPAT | 2003/08/05 10:22 |
| - | 1 | "5775219".PN. | USPAT | 2003/08/05 10:22 |
| - | 1 | "5938862".PN. | USPAT | 2003/08/05 10:23 |
| - | 1 | "5945217".PN. | USPAT | 2003/08/05 10:23 |
| - | 1 | "6033488".PN. | USPAT | 2003/08/05 10:23 |
| - | 1 | "6054198".PN. | USPAT | 2003/08/05 10:23 |
| - | 1 | "6131646".PN. | USPAT | 2003/08/05 10:23 |
| - | 1 | "6281040".PN. | USPAT | 2003/08/05 10:23 |
| - | 1 | "3678995".PN. | USPAT | 2003/08/05 10:24 |
| - | 1 | "4092697".PN. | USPAT | 2003/08/05 10:24 |
| - | 1 | "4384610".PN. | USPAT | 2003/08/05 10:24 |
| - | 1 | "4414052".PN. | USPAT | 2003/08/05 10:24 |
| - | 1 | "4567505".PN. | USPAT | 2003/08/05 10:25 |
| - | 1 | "4654754".PN. | USPAT | 2003/08/05 10:25 |
| - | 1 | "4685606".PN. | USPAT | 2003/08/05 10:25 |
| - | 1 | "4842911".PN. | USPAT | 2003/08/05 10:25 |
| - | 1 | "4915167".PN. | USPAT | 2003/08/05 10:25 |
| - | 1 | "4842911".PN. | USPAT | 2003/08/05 10:25 |
| - | 1 | "5141050".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5198189".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5224017".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5276586".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5291371".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5323292".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5323294".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5414303".PN. | USPAT | 2003/08/05 10:26 |
| - | 1 | "5623394".PN. | USPAT | 2003/08/05 10:27 |
| - | 1 | "5660917".PN. | USPAT | 2003/08/05 10:27 |
| - | 1 | "5672297".PN. | USPAT | 2003/08/05 10:27 |
| - | 1 | "5783862".PN. | USPAT | 2003/08/05 10:27 |
| - | 1 | "5858537".PN. | USPAT | 2003/08/05 10:27 |
| - | 1 | "5918665".PN. | USPAT | 2003/08/05 10:28 |
| - | 1 | "5930893".PN. | USPAT | 2003/08/05 10:28 |
| - | 1 | "5944097".PN. | USPAT | 2003/08/05 10:28 |
| - | 1 | "6046907".PN. | USPAT | 2003/08/05 10:28 |
| - | 1 | "6054198".PN. | USPAT | 2003/08/05 10:28 |
| - | 6 | thermal and gallium adj sesquioxide | USPAT | 2003/08/05 11:17 |
| 2270 | | thermal and centipoises | USPAT | 2003/08/05 11:18 |
| 4795 | | heat and centipoises | USPAT | 2003/08/05 11:18 |
| 1342 | | thermal and compound and centipoises | USPAT | 2003/08/05 11:38 |
| 2252 | | (165/\$ or 361/\$ or 257/\$ or 174/\$ or 428/\$) and centipoises | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/08/05 11:40 |
| - | 1611 | (165/\$ or 361/\$ or 257/\$ or 174/\$ or 428/\$).ccls. and centipoises | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/08/05 11:41 |

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|---|----|---|---|------------------|
| - | 13 | (165/\$).ccls. and centipoises | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT | 2003/08/05 11:44 |
| - | 33 | (361/\$).ccls. and centipoises | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT | 2003/08/05 11:54 |
| - | 54 | (257/\$).ccls. and centipoises | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT | 2003/08/05 11:56 |
| - | 0 | ("6343647" or "6523608").ccls. and silicon | USPAT | 2003/08/05 13:00 |
| - | 1 | ("6343647" or "6523608").pn. and silicon | USPAT | 2003/08/05 13:03 |
| - | 0 | 6523608.pn. and silicon | USPAT | 2003/08/05 13:03 |
| - | 0 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").ccls. and silicon | USPAT | 2003/08/05 13:08 |
| - | 0 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").ccls. and silicone | USPAT | 2003/08/05 13:09 |
| - | 6 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and surfactant | USPAT | 2003/08/05 13:13 |

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|---|--|----|---|-------|------------------|
| - | | 16 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and silicone | USPAT | 2003/08/05 13:16 |
| - | | 6 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and gallium | USPAT | 2003/08/06 08:25 |
| - | | 6 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and Ga | USPAT | 2003/08/05 13:29 |
| - | | 18 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and percent | USPAT | 2003/08/05 13:45 |
| - | | 0 | 5660917.pn. and Ga | USPAT | 2003/08/05 13:35 |
| - | | 0 | 5660917.pn. and Gallium | USPAT | 2003/08/05 13:35 |

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|---|--------|--|--|------------------|
| - | 5 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and antioxidant | USPAT | 2003/08/05 13:37 |
| - | 29 | ("6343647" or "6523608" or "4654754" or "4915167" or "5141050" or "5198189" or "5268414" or "5323294" or "5528456" or "5783862" or "5945217" or "6054198" or "4092697" or "4384610" or "4842911" or "5276586" or "5291371" or "5414303" or "5623394" or "5660917" or "5672297" or "5930893" or "4028578" or "4324773" or S "6395360" or "6289841" or "6127595" or "6124365" or "6121336" or "5939499" or "3846404" or "3653959" or "6319851" or "6159322" or "4935454" or "4535350" or "4517584" or "4084314" or "4039721" or "3650746").pn. and weight | USPAT | 2003/08/05 13:41 |
| - | 1 | 5268414.pn. and fillers | USPAT | 2003/08/05 14:01 |
| - | 1 | 5268414.pn. and metal | USPAT | 2003/08/05 14:02 |
| - | 1 | 5268414.pn. and metals | USPAT | 2003/08/05 14:03 |
| - | 0 | 5198189.pn. and silicone | USPAT | 2003/08/06 08:26 |
| - | 1 | 5198189.pn. and silicon | USPAT | 2003/12/31 11:08 |
| - | 0 | 5198189.pn. and antioxidant | USPAT | 2003/08/06 08:30 |
| - | 0 | 5198189.pn. and surfactant | USPAT | 2003/08/06 08:30 |
| - | 1 | 5198189.pn. and surfac\$ | USPAT | 2003/08/06 08:30 |
| - | 188850 | thermal\$3 and (joint or interface or paste) | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/12/31 11:23 |
| - | 206187 | thermal\$3 and (joint or interface or paste) | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/12/31 11:29 |
| - | 4883 | silicon and gallium and temperature and melt\$3 and thermal\$2 | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/12/31 11:32 |
| - | 256 | (silicon and gallium and temperature and melt\$3 and thermal\$2) and antioxidant | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/12/31 12:30 |
| - | 1 | 20030227959.pn. and heat | US-PPGPUB | 2003/12/31 13:40 |
| - | 0 | 20030227959.pn. and centipoises | US-PPGPUB | 2003/12/31 12:30 |
| - | 1 | 20030227959.pn. and weight | US-PPGPUB | 2003/12/31 12:38 |
| - | 0 | 20030227959.pn. and sesquioxide | US-PPGPUB | 2003/12/31 12:38 |
| - | 1 | 20030227959.pn. and wetting | US-PPGPUB | 2003/12/31 12:40 |
| - | 20 | gallium NEAR sesquioxide | USPAT; US-PPGPUB; EPO; JPO; DERWENT | 2003/12/31 12:42 |
| - | 1 | 20030227959.pn. and gallium | US-PPGPUB | 2003/12/31 13:40 |
| - | 8008 | nanoparticles | USPAT; US-PPGPUB; | 2004/02/19 14:36 |
| - | 0 | organo adj functionalized WITH nanoparticles | EPO; JPO; DERWENT | 2004/02/19 14:36 |

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|---|------|--|------------------------------------|------------------|
| - | 21 | organo adj functionalized | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:37 |
| - | 1 | (organo adj functionalized) and nanoparticles | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:41 |
| - | 1941 | thermal NEAR interface | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:42 |
| - | 0 | (thermal NEAR interface) and polymer and nanoparticles | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:45 |
| - | 0 | (thermal NEAR interface) and nanoparticles | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:45 |
| - | 0 | nanoparticles and thermal near interface | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:45 |
| - | 96 | (polymer and nanoparticles) and thermal SAME interface | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/19 14:47 |
| - | 33 | (polymer and nanoparticles) and thermal WITH interface | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:12 |
| - | 1 | 5910522.pn. and colloidal near silica | USPAT | 2004/02/20 10:17 |
| - | 0 | 5910522.pn. and polyhedral adj oligomeric adj sisequioxane | USPAT | 2004/02/20 10:18 |
| - | 0 | 5910522.pn. and polyhedral adj oligomeric adj silsequioxane | USPAT | 2004/02/20 10:27 |
| - | 5743 | polymer and nanoparticles | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:41 |
| - | 3 | (polymer and nanoparticles) and polyhedral adj oligomeric adj silsequioxane | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:47 |
| - | 3 | (polymer and nanoparticles) and polyhedral adj oligomeric adj silsequioxane and polyhedral NEAR oligomeric NEAR silsequioxane | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:24 |
| - | 3 | (polymer and nanoparticles) and (polyhedral adj oligomeric adj silsequioxane) and (polyhedral NEAR oligomeric NEAR silsequioxane) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:25 |
| - | 0 | (polymer and nanoparticles) and (polyhedral adj oligomeric adj silsequioxane) and (colloidal NEAR silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:40 |
| - | 0 | 5910522.pn. and filter | USPAT | 2004/02/20 10:28 |
| - | 107 | (polymer and nanoparticles) and micron with filter | USPAT | 2004/02/20 10:29 |
| - | 86 | (polymer and nanoparticles) and micron ADJ filter | USPAT | 2004/02/20 10:54 |
| - | 0 | (polymer and nanoparticles) and (polyhedral adj oligomeric adj silsequioxane) and (colloidal adj silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:40 |
| - | 8008 | nanoparticles | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:42 |

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|---|------|---|---|------------------|
| - | 0 | nanoparticles and organo adj functionalized adj nanoparticles | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:43 |
| - | 1 | nanoparticles and organo adj functionalized | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:43 |
| - | 3 | nanoparticles and polyhedral adj oligomeric adj silsequioxane | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:47 |
| - | 83 | nanoparticles and (POSS) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:48 |
| - | 8 | nanoparticles and (POSS) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:49 |
| - | 0 | nanoparticles and (POSS) and (colloidal near silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:49 |
| - | 490 | nanoparticles and (colloidal near silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:50 |
| - | 0 | (polymer and nanoparticles) and ((micron ADJ filter) SAME graphite) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:56 |
| - | 0 | (polymer and nanoparticles) and ((micron ADJ filter) SAME carbon NEAR black) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:57 |
| - | 0 | (polymer and nanoparticles) and ((micron ADJ filter) SAME funned near silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:58 |
| - | 0 | (polymer and nanoparticles) and ((micron ADJ filter) SAME fused near silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:58 |
| - | 13 | (polymer and nanoparticles) and ((micron ADJ filter) SAME metal) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/02/20 10:59 |
| - | 195 | (165/907).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 14:24 |
| - | 84 | 165/\$.ccls. and (open near cell) and porous | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 14:48 |
| - | 38 | 361/\$.ccls. and (open near cell) and porous | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 14:56 |
| - | 2091 | 361/\$.ccls. and porous | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:19 |
| - | 1181 | (361/\$.ccls. and porous) and heat | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 14:57 |
| - | 76 | (361/\$.ccls. and porous) and heat adj exchange | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 14:57 |

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|---|--------|--|------------------------------------|------------------|
| - | 5958 | 257/\$.ccls. and porous | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:29 |
| - | 89 | (257/\$.ccls. and porous) and heat adj exchange | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:20 |
| - | 1176 | 174/\$.ccls. and porous | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:30 |
| - | 0 | (174/\$.ccls. and porous) and heat adj excchange | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:29 |
| - | 34 | (174/\$.ccls. and porous) and heat adj exchange | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:29 |
| - | 156 | 29/\$.ccls. and porous and heat adj exchang\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:54 |
| - | 15426 | porous and heat adj exchang\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:58 |
| - | 389855 | (porous and heat adj exchang\$) foam | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:58 |
| - | 1882 | (porous and heat adj exchang\$) and foam | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/23 15:59 |
| - | 2 | (("5811186") or ("4219078")).PN. | USPAT | 2004/03/24 09:33 |
| - | 12 | ((open WITH foam) and (hollow NEAR ligaments)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:54 |
| - | 1 | ("6082443").PN. | USPAT | 2004/03/24 11:22 |
| - | 1 | 4808558.pn. and fluid | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:48 |
| - | 1 | 4808558.pn. and liquid | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:41 |
| - | 1 | 3946039.pn. and fluid | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:50 |
| - | 1 | 3946039.pn. and liquid | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:50 |
| - | 1 | "3090094".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3097930".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3111396".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3339620".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3353994".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3362818".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3408180".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3497256".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3536480".PN. | USPAT | 2004/03/24 11:52 |
| - | 1 | "3616841".PN. | USPAT | 2004/03/24 11:53 |
| - | 1 | "3639507".PN. | USPAT | 2004/03/24 11:53 |
| - | 1 | "3639507".PN. | USPAT | 2004/03/24 11:53 |
| - | 1 | "3666526".PN. | USPAT | 2004/03/24 11:53 |

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|---|-------|---|------------------------------------|------------------|
| - | 12 | foam and (hollow NEAR ligaments) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:54 |
| - | 1316 | foam and (hollow NEAR fiber) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 11:55 |
| - | 165 | ((open with foam) and (hollow NEAR fiber)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/24 12:21 |
| - | 1 | ("4851291").PN. | USPAT | 2004/03/24 12:25 |
| - | 0 | 4851291.pn. and foam | USPAT | 2004/03/24 12:25 |
| - | 0 | 4851291.pn. and cell | USPAT | 2004/03/24 12:25 |
| - | 1 | 4851291.pn. and open | USPAT | 2004/03/24 12:25 |
| - | 1880 | (thermal NEAR interface) and heat | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:21 |
| - | 129 | ((thermal NEAR interface) and heat) and silicone and resin | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:46 |
| - | 0 | ((thermal NEAR interface) and heat) and "RSio" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:23 |
| - | 0 | ((thermal NEAR interface) and heat) and RSio | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:23 |
| - | 18 | ((thermal NEAR interface) and heat) and ("T" WITH units) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:23 |
| - | 71718 | silicone and resin and heat | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:46 |
| - | 2098 | silicone and resin and heat adj sink | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:46 |
| - | 806 | (silicone and resin and heat adj sink) and filler | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:47 |
| - | 8 | ((silicone and resin and heat adj sink) and filler) and T near unit | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 10:55 |
| - | 37 | ((silicone and resin and heat adj sink) and filler) and ((T and d) SAME unit) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 12:13 |
| - | 65 | ((silicone and resin and heat adj sink) and filler) and substitut\$ and unsubstitut\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 11:51 |
| - | 28 | (silicone and resin and heat adj sink) and (filler WITH coat\$) and substitut\$ and unsubstitut\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 11:56 |
| - | 13 | (silicone and resin and heat adj sink) and (filler WITH treated) and substitut\$ and unsubstitut\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/04 12:10 |
| - | 11 | ((("6645638") or ("6403749") or ("6335414") or ("6387520") or ("6425600") or ("6417258") or ("6704275") or ("6610778") or ("6663964") or ("6563195") or ("6501212")) .PN. | USPAT | 2004/06/10 14:52 |

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|---|------|---|---|------------------|------------------|--|--|
| - | - | 1 | ("6644395") . PN. | | | | |
| - | - | 0 | 6644395.URPN. | | | | |
| - | 92 | | ("2311526" "3609104" "3850784" "3928907" "4117198" "4118541" "4166150" "4166456" "4171397" "4267240" "4282054" "4299715" "4384610" "4386135" "4389340" "4443491" "4466483" "4473113" "4487856" "4533685" "4539056" "4546411" "4561011" "4575432" "4602678" "4609589" "4654754" "4685987" "4722960" "4736048" "4741948" "4755249" "4764845" "4782893" "4842902" "4842911" "4855002" "4859511" "4869954" "4889753" "4915167" "4965699" "4974119" "4979074" "4980443" "5052481" "5069969" "5084317" "5084354" "5112425" "5137959" "5167851" "5167995" "5178924" "5194480" "5198299" "5213868" "5246756" "5248535" "5250209" "5250336" "5281455" "5298791" "5302344" "5321582" "5352731" "5366681" "5425991" "5427849" "5471027" "5533256" "5545473" "5580640" "5602221" "5633328" "5679457" "5690528" "5691022" "5770318" "5796582" "5813183" "5869160" "5897917" "5942591" "5962098" "6054198" "6110554" "6129964" "6245400" "6258427" "6315038" "6432497") . PN. | USPAT | 2004/06/10 10:03 | | |
| - | 12 | | ("3958075" "4092697" "4156148" "4196411" "4215235" "4218724" "4250481" "4257091" "4266140" "4394530" "4471837" "4489487") . PN. | USPAT | 2004/06/10 10:47 | | |
| - | 20 | 12 | 4546411.URPN. | USPAT | 2004/06/10 10:49 | | |
| - | 12 | | ("3958075" "4092697" "4156148" "4196411" "4215235" "4218724" "4250481" "4257091" "4266140" "4394530" "4471837" "4489487") . PN. | USPAT | 2004/06/10 10:52 | | |
| - | 0 | 6644395.URPN. | USPAT | 2004/06/10 10:52 | | | |
| - | 1 | ("5897917") . PN. | USPAT | 2004/06/10 10:59 | | | |
| - | 35 | | ("2311526" "3332055" "3609104" "4299715" "4384610" "4389340" "4466483" "4473113" "4487856" "4533685" "4546411" "4561011" "4575432" "4722960" "4755249" "4764845" "4782893" "4855002" "4869954" "4915167" "4965699" "4974119" "4979074" "5052481" "5137959" "5194480" "5213868" "5298791" "5302344" "5321882" "5352731" "5602221" "5770318" "5796582" "5798171") . PN. | USPAT | 2004/06/10 11:06 | | |
| - | 32 | 1 | 6054198.URPN. | USPAT | 2004/06/10 11:09 | | |
| - | 1 | ("5897917") . PN. | USPAT | 2004/06/10 11:32 | | | |
| - | 4 | 4 (("5897917") or ("4546411") or ("6432497") or ("6644395") . PN. | USPAT | 2004/06/10 11:32 | | | |
| - | 1 | ("6054198") . PN. | USPAT | 2004/06/10 11:33 | | | |
| - | 1459 | 428/\$.cccls. and heat adj sink | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 12:03 | | | |
| - | 550 | (428/\$.cccls. and heat adj sink) and interface | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 11:58 | | | |

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| - | 406 | (428/\$.ccls. and heat adj sink) and (joint or coupling) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 11:55 |
| - | 78 | (428/\$.ccls. and heat adj sink) and tab | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 11:58 |
| - | 982 | 361/\$.ccls. and (thermal adj (interface or joint or coupl\$)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 15:37 |
| - | 694 | (361/\$.ccls. and (thermal adj (interface or joint or coupl\$))) and heat adj sink | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 17:36 |
| - | 181 | (361/\$.ccls. and (thermal adj (interface or joint or coupl\$))) and tab | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 12:16 |
| - | 788 | 165/\$.ccls. and (thermal adj (interface or joint or coupl\$)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 12:30 |
| - | 97 | (165/\$.ccls. and (thermal adj (interface or joint or coupl\$))) and tab | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 12:31 |
| - | 10 | (("6432497") or ("6054198") or ("5897917") or ("5690528") or ("5545473") or ("4741948") or ("4546411") or ("6432497") or ("6245400") or ("6644395") or ("20030112603")).PN. | USPAT; US-PGPUB | 2004/06/10 14:53 |
| - | 2241 | (thermal adj (interface or joint or coupl\$)) and heat adj sink | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 15:38 |
| - | 292 | ((thermal adj (interface or joint or coupl\$)) and heat adj sink) and tab | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 17:32 |
| - | 2241 | (thermal adj (interface or joint or coupl\$)) and heat adj sink | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 17:36 |
| - | 75 | ((thermal adj (interface or joint or coupl\$)) and heat adj sink) and diamond and (boron adj nitride) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/06/10 17:37 |
| - | 1 | 5910522.pn. and thermal\$ | USPAT | 2004/07/25 11:08 |
| - | 0 | 5910522.pn. and exchang\$ | USPAT | 2004/07/25 11:08 |
| - | 0 | 5910522.pn. and transfer\$ | USPAT | 2004/07/25 11:08 |
| - | 0 | 5910522.pn. and heat\$ | USPAT | 2004/07/25 11:08 |
| - | 0 | 5910522.pn. and cool\$ | USPAT | 2004/07/25 11:08 |
| - | 1 | 5910522.pn. and temperature\$ | USPAT | 2004/07/25 11:44 |

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|---|----|--|-------|------------------|
| - | 1 | ("4431767" "4900362" "6261743" "6265782" "6306555" "6441118" "4537803" "4904053" "5196261" "5268203" "5312878" "5344899" "5508104" "5872175" "6225418" "6225418" "6344306" "6367150" "6399549" "5545473" "5302856" "4977748" "5591034" "5644837" "4292235" "4365037" "4916184" "4997685" "5215608" "5731050" "5869568" "6121385" "6221510" "6221510" "6270950" "6288138" "6306375" "6348152" "6365660" "6372302" "6383307" "6399021" "6455228" "6469100" "6475688" "5789080" "5958161" "5989712" "6458462" "5575956").pn. and nanoparticles | USPAT | 2004/07/25 11:46 |
| - | 48 | ((("4431767") or ("4900362") or ("6261743") or ("6265782") or ("6306555") or ("6441118") or ("4537803") or ("4904053") or ("5196261") or ("5268203") or ("5312878") or ("5344899") or ("5508104") or ("5872175") or ("6225418") or ("6225418") or ("6344306") or ("6367150") or ("6399549") or ("5545473") or ("5302856") or ("4977748") or ("5591034") or ("5644837") or ("4292235") or ("4365037") or ("4916184") or ("4997685") or ("5215608") or ("5731050") or ("5869568") or ("6121385") or ("6221510") or ("6221510") or ("6270950") or ("6288138") or ("6306375") or ("6348152") or ("6365660") or ("6372302") or ("6383307") or ("6399021") or ("6455228") or ("6469100") or ("6475688") or ("5789080") or ("5958161") or ("5989712") or ("6458462") or ("5575956")).PN. ((("4431767") or ("4900362") or ("6261743") or ("6265782"))).PN. | USPAT | 2004/07/25 11:56 |
| - | 4 | ((("4431767") or ("4900362") or ("6261743") or ("6265782"))).PN. | USPAT | 2004/07/25 11:47 |

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|---|-----|---|------------------------------------|------------------|
| - | 720 | ((thermal SAME polymer) and nanoparticles) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 11:57 |
| - | 35 | ((thermal SAME polymer) and nanoparticles) and heat adj exchang\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 14:13 |
| - | 0 | ((thermal SAME polymer) and nanoparticles) and (organo adj functionalized) and (micron adj filler) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:04 |
| - | 1 | ((thermal SAME polymer) and nanoparticles) and (organo adj functionalized) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:30 |
| - | 0 | (organo adj functionalized) and polymer and nanoparticles and filler | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:52 |
| - | 2 | (organofunctionalized) and polymer and nanoparticles and filler | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:37 |
| - | 0 | (polyhedral adj oligomeric adj silsequioxane) and (colloidal adj silica) and (organofunctionalized) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:39 |
| - | 3 | (polyhedral adj oligomeric adj silsequioxane) and (colloidal adj silica) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:40 |
| - | 0 | ((thermal SAME polymer) and nanoparticles) and organofunctionalized and filler | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:50 |
| - | 0 | ((thermal SAME polymer) and nanoparticles) and organofunctionalized | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:50 |
| - | 253 | ((thermal SAME polymer) and nanoparticles) and filler | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 12:51 |
| - | 2 | (organofunctionalized) and polymer and nanoparticles and filler | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:12 |
| - | 0 | ((thermal SAME polymer) and nanoparticles) and (functional\$4) and (micron adj filler) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:04 |
| - | 212 | ((thermal SAME polymer) and nanoparticles) and (functional\$4) and (filler) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:04 |
| - | 91 | ((thermal SAME polymer) and nanoparticles) and (functionalized) and (filler) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:05 |
| - | 0 | ((thermal SAME polymer) and nanoparticles) and (functionalized) and (micron near filler) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:12 |
| - | 12 | ((thermal SAME polymer) and nanoparticles) and (micron near filler) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:05 |
| - | 0 | ((thermal SAME polymer) and nanoparticles) and (organofunctionalized) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:12 |

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|---|-----|--|------------------------------------|------------------|
| | 203 | ((thermal SAME polymer) and nanoparticles) and (functionalized) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:12 |
| | 13 | ((thermal SAME polymer) and nanoparticles) and (functionalized near particl\$) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 13:24 |
| - | 0 | 20030151030.pn. and colloidal near silica | US-PGPUB | 2004/07/25 13:25 |
| - | 1 | 20030151030.pn. and silica | US-PGPUB | 2004/07/25 13:25 |
| - | 1 | 20030151030.pn. and colloidal | US-PGPUB | 2004/07/25 13:27 |
| - | 0 | 20030151030.pn. and (polyhedral adj oligomeric adj silsequioxane) and (colloidal adj silica) | US-PGPUB | 2004/07/25 13:29 |
| - | 0 | 20030151030.pn. and (polyhedral adj oligomeric adj silsequioxane) | US-PGPUB | 2004/07/25 13:28 |
| - | 0 | 20030151030.pn. and organo | US-PGPUB | 2004/07/25 13:32 |
| - | 1 | 20030151030.pn. and functionalized | US-PGPUB | 2004/07/25 13:30 |
| - | 1 | 20030151030.pn. and organ\$ | US-PGPUB | 2004/07/25 13:44 |
| - | 0 | 20030151030.pn. and (organ\$ near functionalized) | US-PGPUB | 2004/07/25 13:33 |
| - | 1 | 20030151030.pn. and (organ\$ WITH functionalized) | US-PGPUB | 2004/07/25 13:34 |
| - | 0 | 20030151030.pn. and ((organ\$ WITH functionalized) SAME nanoparticles) | US-PGPUB | 2004/07/25 13:35 |
| - | 0 | 20030151030.pn. and (organ\$ WITH nanoparticles) | US-PGPUB | 2004/07/25 13:35 |
| - | 0 | 20030151030.pn. and (organ\$ SAME nanoparticles) | US-PGPUB | 2004/07/25 13:35 |
| - | 1 | 20030151030.pn. and organ\$ and nanoparticles | US-PGPUB | 2004/07/25 13:48 |
| - | 1 | 20030151030.pn. and micron | US-PGPUB | 2004/07/25 13:49 |
| - | 0 | 20030151030.pn. and micron WITH filler | US-PGPUB | 2004/07/25 13:49 |
| - | 0 | 20030151030.pn. and (micron SAME filler) | US-PGPUB | 2004/07/25 13:50 |
| - | 1 | 20030151030.pn. and filler | US-PGPUB | 2004/07/25 13:50 |
| - | 0 | zhong-hong.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 14:14 |
| - | 71 | rubinsztajn-slawomir.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/07/25 14:14 |
| - | 2 | 165/133.ccls. and ((plat\$3 or coat\$3) and (thermal NEAR interface) and (Ni or Au or Ag or Cu)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 09:37 |
| - | 30 | 165/\$.ccls. and ((plat\$3 or coat\$3) and (thermal NEAR interface) and (Ni or Au or Ag or Cu)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 11:17 |
| - | 7 | ("4858073" "5489805" "6008988" "6197859" "6219243" "6228452" "6462410").PN. | USPAT | 2004/08/24 10:39 |
| - | 0 | 6751099.URPN. | USPAT | 2004/08/24 10:43 |
| - | 1 | ("6773963").PN. | USPAT | 2004/08/24 11:18 |
| - | 0 | dani-a-ashay.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 11:46 |
| - | 14 | houle-sabina-j.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 11:53 |
| - | 7 | rumer-christopher-l.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 11:54 |
| - | 11 | fitzgerald-thomas-j.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:11 |

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| - | 0 | 361/704.cccls. and ((thermal near interface) and (pre-attach\$3 WITH sold\$3)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:13 |
| - | 214 | 361/704.cccls. and (thermal near interface) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:17 |
| - | 75 | pre-attach\$ WITH sold\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 13:08 |
| - | 0 | (361/704.cccls. and (thermal near interface)) and pre-attach\$ WITH sold\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:16 |
| - | 0 | 361/704.cccls. and (thermal near interface) and cold near forming | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:18 |
| - | 0 | 361/704.cccls. and (thermal near interface) and IMC | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:18 |
| - | 0 | (thermal near interface) and IMC | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:18 |
| - | 4 | (thermal near interface) and COLD ADJ FORMING | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 13:23 |
| - | 0 | (thermal near interface) and ((COLD ADJ FORMING) with solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:25 |
| - | 0 | (thermal adj interface) and ((COLD ADJ FORMING) with solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:26 |
| - | 0 | (thermal adj interface) and ((COLD ADJ FORMING) SAME solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:26 |
| - | 0 | (thermal adj interface) and ((intermetallic adj compund adj formations) SAME solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:27 |
| - | 0 | ((intermetallic adj compund adj formations) SAME solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:27 |
| - | 19 | ((intermetallic adj compound adj formations) SAME solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:27 |
| - | 0 | ((intermetallic adj compound adj formations) SAME solder)) and thermal adj interface | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:28 |
| - | 6 | ((intermetallic adj compound adj formations) SAME solder)) and heat | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 12:28 |
| - | 16 | (pre-attach\$ WITH sold\$3) and heat adj sink | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 13:08 |
| - | 11 | ((COLD ADJ FORMING) WITH solder) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/24 13:30 |

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| - | 11 | ((intermetall\$3 ADJ compound adj format\$4) WITH solder) | USPAT; US-PPGPUB; EPO; JPO; DERWENT USPAT | 2004/08/24 13:48 |
| - | 1 | ("6504242").PN. | | 2004/08/24 13:51 |